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Acquisitions

Dassault Systèmes Completes Apriso Acquisition

2 July 2013

Dassault Systèmes announced the completion of the acquisition of Apriso, a provider of manufacturing software solutions, headquartered in Long Beach, California. Apriso will be integrated with and expand Dassault Systèmes' DELMIA application portfolio and the 3DEXPERIENCE platform's virtual+reality capabilities closing the loop between design, engineering, manufacturing and consumer experience. The purchase price was approximately \$205 million (enterprise value) in cash.

Apriso's solutions synchronize global manufacturing networks, offering real-time visibility and control over the business processes performed by plants and suppliers. These solutions establish a common set of operational standards that can be managed holistically, on a global basis, while continuously improving and meeting local market and customer needs.

Together, Apriso enriches the global manufacturing operations management capabilities of the 3DEXPERIENCE platform and expands Dassault Systèmes' 3DEXPERIENCE footprint across multiple industries, such as consumer goods, packaged goods, high tech, life sciences, transportation & mobility, aerospace & defense and industrial equipment. The Apriso solutions are currently used by a variety of customers, including Alstom, British American Tobacco, Bombardier, Cummins, General Motors, Hitachi, Japan Tobacco, L'Occitane, Lockheed Martin, L'Oreal, Philip Morris International, Saint-Gobain, Textron Systems, Trixell, Valeo, and Volvo CE.

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Company News

3D Training Institute (3DTi) Joins the Ranks as One of the First Live-Online Training Companies to Become an Authorized Training Center (ATC) for Autodesk, Inc.

28 June 2013

[3D Training Institute](#) (3DTi) is proud to announce that they have become one of the first live-online training centers to become an Autodesk Authorized Training Center (ATC).

3DTi started offering live-online classes in Autodesk software in 2007, becoming one of the very first training centers to use this revolutionary online technology. The live-online, instructor-led training allows anyone with an internet connection to learn from home or their place of work, in a virtual classroom environment. Now, as an [Autodesk ATC](#), 3DTi will be able to offer additional benefits to

CIMdata PLM Late-Breaking News

students, including a certificate of proficiency from Autodesk. Students will also be able to access the Autodesk Student Community Site to obtain a free three year software license for learning purposes.

3D Training Institute's programs were initially developed in 1998 by production professionals who were having a difficult time finding skilled talent. In fact, when they were first launched in 1999, 3DTi's classes were conducted at the Autodesk Resource Center, located within the Curious Pictures Facility. Due to growing demand, the classes were later moved to a much larger space located close to 5th Avenue, in New York City.

3DTi launched its live-online classes in 2007, when web technologies such as WebEx made it possible to conduct instructor-led training live-online. Ever since then, 3DTi has helped a significant number of people change their careers and their lives with their innovative 12 week project based training program, which uses a combination of self-paced training materials and live instructor-led sessions.

[Eric Nersesian](#), who had earned his Master's Degree and then joined 3DTi live-online training programs, found a rewarding job in military training simulations. "I needed a program that would give me real world training, was affordable, and worked around my schedule." – Eric Nersesian

Another 3DTi student, [Chris Jennings](#), had already won an Emmy Award and earned an advanced degree. He realized that he still needed more training and joined the 3DTi production based programs.

"I had a day job. I didn't have time to go to a classroom. The live on-line instruction was great. The instructors teach you how to create work based on what clients want." - Chris Jennings

Susan Bostian, from the 3DTi team says "We have had a long standing relationship with Autodesk and we are excited about the additional benefits that we can provide to our students as an Autodesk Authorized Training Center. We are constantly striving to provide the best training and tools available to help more people learn Autodesk Software and find creative and fulfilling careers in the industry. We believe that partnering with Autodesk as an Authorized Training Center will help us take another step forward toward achieving that goal."

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Cimatron Helps US Tooling Industry Qualify Skilled CAD/CAM Workers

3 July 2013

[Cimatron Limited](#) today announced that it is donating \$900,000 worth of its CimatronE integrated tooling and manufacturing CAD/CAM software to the McCann Technical School in North Adams, Massachusetts.

A recent survey of tooling workshops in North America conducted by Cimatron shows the greatest

challenge shops face-above and beyond any other challenge-is finding qualified workers.

According to Bill Gibbs, Cimatron's President North America, the industry as a whole must step up its effort to address this challenge. "This donation continues a long tradition of collaboration with educational institutions such as McCann Technical School, which play a critical role in preparing the next generations of the industry's skilled workforce."

The CimatronE software will be used by students in McCann's Computer Assisted Design (CAD) and Machine Technology programs. "Students will benefit from the ability to learn faster and become more productive working with state-of-the art software," said Thomas Matuszak, McCann's CAM instructor and a former toolmaker. "CimatronE's integrated CAD/CAM software will allow students to experience first-hand how designs transform into actual tools and parts. We plan on using CimatronE as the primary platform for our students from now on."

McCann Tech maintains close relations with area tools shops, among them Marland Mold and Starbase, both CimatronE customers. According to Matuszak, these shops will benefit from the Cimatron training program by having a supply of trained graduates as well as access to offsite training facilities for existing employees.

"We are preparing our students to be significant contributors to the manufacturing economy and provide good middle-class jobs and wages for their families and our community," said Northern Berkshire Vocational Regional School District Superintendent, James Brosnan. "Manufacturing today is all about speed, so training students on software that enables them to be more productive is a real asset to them, to their future employees, and to the industry."

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Cloud Hosted PDM Provider EpiGrid Signs SolidWorks Reseller Cimquest to Partner Network for Enhanced Implementations

2 July 2013

SolidWorks reseller Cimquest has partnered with EpiGrid, LLC, creator of the first ever private hosted solution for PDM, to boost the affordability and simplify the process of EPDM implementations for their customers.

The EpiGrid Solution is an approach to implementation that makes Enterprise attainable and affordable through scalable delivery of hosted architecture and support, and a proprietary vault configuration. As a Partner, Cimquest Inc can offer their customers a cloud-based solution that will lower IT costs and enhance ongoing admin support and training services.

"We're excited to add Cimquest to our partner network and thrilled for what it means for SolidWorks

CIMdata PLM Late-Breaking News

users in their area," said EpiGrid founder and CTO, Chad Garrish. "Now the benefits of EPDM—as well as all the value adds of the EpiGrid Solution—are open to companies of any size."

The EpiGrid Solution is changing the face of SolidWorks enterprise product data management (EPDM) by removing the infrastructure and processes that hinder engineering departments.

"Everyone is asking about the cloud right now, especially companies with few to no IT resources," said Cimquest's Director of SolidWorks Sales, Bryan Hennigan. "Through this partnership, we are the first SolidWorks reseller in North America to offer our customers PDM on the cloud while also shortening the implementation timeline with the EpiGrid implementation process and vault."

The EpiGrid/Cimquest partnership will allow engineering departments to increase productivity, streamline design processes and shorten time to market by combining the benefits of EPDM with the value of EpiGrid's hosted environment and vault configuration.

Visit <http://www.EpiGrid.com> to learn more about the EpiGrid Solution or <http://www.epigrd.com/partners> to learn about the benefits of becoming a partner. Learn more about Cimquest Inc at <http://www.cimquest-inc.com>.

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Edgecam Workflow's Touch Screen Demo

3 July 2013

Delegates at Edgecam's Japanese reseller conference saw the new Workflow application demonstrated on a touch screen using Windows 8 without a mouse or keyboard.

"This demonstrates how Edgecam is progressing to the future, showing ultimate ease of use with less input and fewer commands," says Akihiro Goto, Director of Edgecam KK in Japan. "We believe this may have been the world's first CAM conference using a touch screen demonstration."

Workflow enables CAD/CAM engineers to apply toolpaths within seconds by aiding in loading and positioning the component, choosing the manufacturing method and suitable machine tools, adding user defined stock or stock from a database, importing fixtures, selecting a machine and toolkit, and managing strategies to automate manufacture.

Edgecam resellers from across Japan attended the conference in Nagoya, which included presentations on the latest release, Edgecam 2013 R2, along with updates on other products in the Vero stable in Japan, VISI and WorkNC.

The event also celebrated Edgecam's 30th birthday, and the tenth anniversary of Edgecam KK.

Akihiro Goto says: "Edgecam KK highlights Edgecam to production machining companies as being the most intelligent CAM system, and the bridge between several CAD systems and a single manufacturing environment, especially for production milling, drilling, turning and millturn machines." And Masaaki Waguri, Managing Director of reseller Aiwa System Solutions says: "Most recent CAM systems look similar. Nobody other than Edgecam has a unique solution. Its future is extremely bright."

For a video demonstration of Workflow being driven by touch screen, visit this webpage: <http://www.edgecam.com/edgecamworkflow>

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Ideate, Inc. Designated to Offer Autodesk BIM 360

2 July 2013

Ideate, Inc., an Autodesk Gold Value Added Reseller, today announced that Autodesk, Inc., has authorized Ideate to sell and support Autodesk BIM 360 Field and Autodesk BIM 360 Glue, two cloud-based BIM collaboration software tools with specific application to the construction and infrastructure industries.

Cloud services enable efficient and easy-to-use Building Information Modeling (BIM) workflows for detecting and coordinating clashes, simulation, and visualization for both building and infrastructure projects.

Autodesk BIM 360 Glue is a cloud-based solution that facilitates BIM collaboration. It simplifies multidiscipline model coordination and clash detection, and provides access for stakeholders across the project lifecycle. Architects, engineers, owners, and builders across the globe can collaborate and coordinate in real time from the office or mobile devices.

Autodesk BIM 360 Field provides field management software for construction. Unlike carrying pad of paper and tubes of drawings on the jobsite, Autodesk BIM 360 Field combines mobile technologies and BIM at the point of construction with reporting for management. Using Autodesk BIM 360 Field measurably improves the quality, safety and profitability of projects and companies.

"We are delighted to be selected by Autodesk to offer Autodesk BIM 360 Field and Glue to our customers," says Bob Palioca, president of Ideate, Inc. "These two new solutions highlight the increasing influence of cloud and mobile technologies. Being able to provide and support new technologies for the construction and infrastructure industries is another important demonstration of our commitment to our customers."

CIMdata PLM Late-Breaking News

Ideate recently hosted a webcast introducing Autodesk BIM 360 Field and Glue. To view the recording, [click here](#).

For more information about these two offerings, contact sales@ideateinc.com

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Infor Distribution Grows More Than 120 Percent in Three Years

2 July 2013

[Infor](#) announced that its distribution business unit has experienced more than 120 percent license growth since the close of Infor's 2010 fiscal year. By engaging with customers and incorporating feedback, Infor has continued to invest in its distribution products to deliver solutions that address challenges faced in today's shifting landscape.

"We've held a number of multi-day industry council meetings over the last 18 months to take a deeper look at certain distribution micro-verticals. By ensuring that our team understands the evolving complexities of the industry, we can view our solutions through the eyes of the distributor to determine where enhancements can be made," said Andy Berry, general manager and vice president, Distribution, Infor. "Our goal is to invest in solutions that provide greater value and profit potential to our customers."

Net new customers now comprise a substantial portion of the Infor Distribution customer base thanks to momentum behind sales of leading solutions like [Infor Distribution FACTS](#) and [Infor Distribution SX.e](#). Each customer brings a new perspective and list of requirements to light when joining the Infor community, enabling continued innovation and ongoing improvements to both solutions and the company as a whole.

In addition, existing customers have demonstrated their belief in Infor's innovation strategy by becoming early adopters and advocates for some of the newest solutions available. Examples include C.H. Briggs integration of [Inforce](#) to Infor Distribution A+ through ION, State Electric's roll out of [Infor Road Warrior](#) and IDG's adoption of the [Storeroom](#) solution.

"It's not only the products, but the stability and excellence found in our executive and management teams and incorporation of new talent that is inspiring new customers and retaining existing customers," said Lisa Russell, director of industry marketing, Distribution, Infor. "With industry experts and advocates like Andy Berry, Brian Lombardo and Joe Bennett, businesses know that they are working with professionals who have a passion for wholesale distribution and understand their industry through years of personal experience."

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Innovation in the Taiwanese Machine Tool Industry

1 July 2013

CIMdata PLM Industry Summary

There is no doubt that Taiwanese machine tool manufacturers are producing quality equipment and are striving for excellence.

The Taiwan International Machine Tool Show (TIMTOS) displayed row after row of advanced equipment aimed at aerospace, automotive, oil and other high precision industries. Multi-axis machines, mill-turn machines, robotics, conversational controllers, educational machines were machining away.

Machine tool builders in Taiwan are typically small businesses and are often family owned but they manage to succeed at R&D. How can these little companies afford to invest in innovation? The government's belief in growth through manufacturing plays a major part in supporting their industrial base, but let's not forget the driven and entrepreneurial nature of this culture. Their efforts are paying off, the capabilities and sophistication of the machines keep on increasing despite global competition, despite the general decline in machine tool world sales and despite cheaper players in emerging economies.

Whatever the secret is, it's working. Research centres like the Industrial Technology Research Institute (ITRI) are leading this cutting edge industry and are helping put Taiwanese companies on the map. "Most Taiwanese machine tool builders and controller manufacturers that we talk to, have either worked or collaborated with ITRI in some way." says Mike Nicholson, Sales & Marketing Director at MachineWorks. Moreover, ITRI has helped many of MachineWorks' customers to integrate MachineWorks simulation software on their CNC controllers.

Machine tool manufacturers lacking software resources but with the desire to be at the forefront of technology have formed technical partnerships with ITRI to develop machine tools equipped with MachineWorks software that simulates any type of CNC machining and detects clashes and gouges in the full machining environment in real time. This allows operators to find any programming errors before any machining takes place and to monitor cycles throughout the actual machining.

During TIMTOS, the Nangang Exhibition Centre gathered an impressive concentration of machine tools showing full machine simulation and collision detection fully integrated within the CNC controller's software. Among those brands with MachineWorks software inside were Goodway, Tongtai, Vision Wide, Quaser, Dahlih, YIDA and Feeler from the FFG group.

The Taiwanese machine tool industry proves that small business can be innovative too.

See MachineWorks real time simulation on CNC machines in Taiwan at <http://bit.ly/16zttCR>

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CIMdata PLM Industry Summary

NC Tech Appointed as Reseller of Delcam for SolidWorks in Mexico

2 July 2013

Delcam Mexico, Delcam's recently founded joint venture in Mexico, has appointed NC Tech to supply and support the Delcam for SolidWorks integrated CAM system in Mexico. NC Tech is a leading SolidWorks reseller in the country with close to 100,000 installed seats.

Based in Querétaro, one of Mexico's main centres for the automotive and aerospace industries, NC Tech has more than seventeen years' experience in implementing CAD, CAM and CAE software. It has more than 300 industrial customers in Mexico, which it helps to achieve faster design cycles and product development, leading to greater business success.

In addition, it supports more than 350 educational sites, including some of the biggest institutions in the country, such as Instituto Politécnico Nacional, Universidad Tecmilenio and Universidades Aliat.

NC Tech aims to achieve the highest levels of customer satisfaction through high-quality training and excellent support. It has appointed three specialist engineers to support the Delcam software, having a total of almost thirty years' experience in CNC and CAM programming.

"Given its success with SolidWorks in Mexico, I am sure NC Tech will quickly build the market for Delcam for SolidWorks in the country," said Pedro Leon, Delcam's Business Development Manager for Latin America. "The company shares our commitment to technical excellence and customer support to ensure that all its users maximise the benefits of any investment in our software."

Delcam for SolidWorks combines the benefits associated with Delcam's PowerMILL and FeatureCAM CAM systems. It is based on Delcam's proven machining algorithms that are already used by more than 35,000 customers around the world. These strategies ensure increased productivity, maximum tool life and immaculate surface finish, even when cutting the hardest, most challenging materials.

A free version, Delcam for SolidWorks XPRESS, that provides essential 2D milling and drilling functionality, can be downloaded from www.delcamforsolidworks.com/xpress.

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NCEXPERIENCE™ becomes Connected and Mobile at Paris Air Show 2013

2 July 2013

SPRING Technologies, vendor of solutions that boost productivity on NC machines, demonstrated at the Paris Air show, June 19th, a major breakthrough to serve the shop floor for enhanced production process

CIMdata PLM Industry Summary

integration and improved productivity.

As a first Worldwide preview, with US and French press and key customers and prospects in attendance, the SPRING Technologies Corporate team ran a live demo showcasing the connection between work instruction sheets and a machine's CNC control. The demonstration presented the company's NCSIMUL Player 9 running on the latest Panasonic Toughpad tablet PC (FZ-G1) and its connection with the FANUC 31i B5 CNC machine tool control.

This breakthrough technology brings mobility and ease of use, thanks to touch screen capabilities, and it provides an instant access to the work instruction sheet, in context of the machining process.

For instance, when a part machining process requires a machine to stop, allowing the NC operator to take measurements or to verify the machining quality, etc., the correct work instruction automatically appears on the tablet PC.

Therefore, machine operators know exactly the tasks to be performed and do not spend any more time searching for process sheets among tons of pdf.

Breakthrough features

Till now, NCSIMUL users have had to download their documentation as a separate operation.

Now they can have their simulation on one part of the screen and the documentation conveniently displayed alongside.

The tablet implementation of NCSIMUL Player also offers a breakthrough feature: the ability to monitor machine operation on the screen via a TCP/IP connection with 100% touch interaction. We are no longer talking about just NC simulation, but about a digital representation of real-world operation.

"Our customers in aeronautics machine titanium parts that require frequent breaks in machining", explains Philippe Solignac, Director of Corporate Marketing. "By instantly displaying the work instructions and explaining the task that has to be done at each break point, operators save valuable time. This will enable us to help airplane manufacturers increase their shop floor productivity and meet their production planes delivery while ensuring high-quality production standards."

SPRING Technologies has signed an ISV (Independent Software Vendor) partnership contract with Panasonic under which it will integrate sales of its Toughpad FZ-G1 into its offering, coupled with its software solutions.

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CIMdata PLM Industry Summary

New WorkNC Dental Shines Out At China Show

2 July 2013

WorkNC Dental launched its new Implant Module for automating the production of custom abutments, implant bars and bridges, at the Sino-Dental 2013 exhibition in China.

Visitors to the 18th China International Dental Exhibition & Scientific Conference in Beijing saw WorkNC Dental engineers demonstrate the implant module's machining process, which increases a user's product range and reduces managerial overheads.

All programs are based on precise 3D data, ensuring a high level of precision. The implant connection template library is compatible with all systems on the market and users can add or change their own connections according to *personalized requirements*.

WorkNC Dental is a fully open dental CAD/CAM system for accurate and reliable automatic machining of prosthetic appliances, implants or structures. It allows users to work with a neutral data format, choose the most appropriate CNC machine, and work from scanned data from many different sources and machines. Prosthesisists and dental technicians who are not experts in machining technologies find it particularly useful, as it requires minimal training – users can be setting up their machining routines for Zirconium, Cobalt Chrome, Titanium, PMMA plastic, Ceramic and Wax etc... on any type of machine tool in less than an hour.

It employs perfectly optimized toolpaths that benefit from state-of-the-art technologies already tried and tested by thousands of users in the highly demanding automotive, aerospace and medical industries.

WorkNC Dental's technological solutions produce high quality machined dental components in greatly reduced production cycle times. This is why WorkNC Dental has been developed in liaison with several CNC machine manufacturing partners to ensure the accuracy and quality of custom abutments and other dental prostheses.

Laurent Journeau, WorkNC Dental Business Manager said: "We will continue to invest in technological research and development in order to offer even better solutions."

The implant market is growing faster with the improvement of living standards in China and advanced implant technologies are becoming more and more popular. Dental labs need new technologies and advanced machines to effectively respond to market requirements.

Sino-Dental 2013 was the first show for WorkNC Dental with its new logo, after SESCOI joined the Vero Software Group at the start of the year.

CIMdata PLM Industry Summary

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Siemens again Named Top PLM Software Provider in China

3 July 2013

[Siemens has again been recognized as the leading PLM software provider in China by CIMdata Inc., a leading independent global PLM management consulting and research firm. The firm placed Siemens PLM Software](#) at the top of their list based on 2012 overall revenue, including total revenue, channel revenue and service revenue. [Siemens](#) was also named the market leader in two key PLM sub-segments, multi-discipline 3D computer-aided design (3D CAD) and digital manufacturing, for the third straight year, and they earned the leading PLM software provider position for China's automotive and industrial equipment sectors for the second year in a row.

In its 2013 China PLM Market Report, CIMdata reports on the significant growth of China's PLM market. According to CIMdata President, Peter Bilello, "In 2012, the mainstream PLM market in China grew 16.9 percent, and is forecasted to grow about 16 percent in 2013."

The same report indicates that the automotive and industrial equipment markets, along with aerospace and defense (A&D), are three of the fastest growing markets in China. "Automotive was the largest market sector for PLM in China and demand is still high for creative designs and innovative new energy vehicles in the automotive sector," said Bilello.

According to CIMdata's research, Siemens PLM Software continues to lead the Chinese market in the digital manufacturing and multi-discipline CAD segments. Siemens PLM Software addresses these two markets respectively with its [Tecnomatix® portfolio, the world's leading](#) digital manufacturing solution, and its [NX™ software](#), the leading integrated solution for computer-aided design, manufacturing and engineering (CAD/CAM/CAE).

"China is an increasingly competitive market and to again be named a leader in several segments and sectors tells us that we are focused on the right things for our customers," said Leo Liang, Managing Director of Greater China, Siemens PLM Software. "This ranking is important for our company because it demonstrates the strength of our HD-PLM vision and our long-term commitment of helping our customers to make smarter decisions and build better products."

Last month Siemens announced that it was recognized as the global market presence leader in the collaborative Product Definition management (cPDm) market segment for the 12th year in a row, and in the Digital Manufacturing market segment for the eighth year in a row. Siemens PLM Software addresses CIMdata's cPDm category with its Teamcenter® portfolio, the world's most widely used digital lifecycle management software.

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CIMdata PLM Industry Summary

Zuken Congratulates Quadra Solutions on fifth European CADSTAR Distributor of the Year Award

2 July 2013

Zuken has recently awarded its European [CADSTAR](#) Distributor of the Year Award to recession-beating reseller, [Quadra Solutions](#), for the fifth time. Quadra Solutions had a record year in 2012-13, growing 20% on the previous year and achieving [ISO 9001 accreditation](#) that will allow them to enter new industries as an approved supplier.

“We have to hand our success to our dedicated team. We’re proud to have gained the ISO 9001 accreditation in what has been a busy year. It will give companies confidence in our procedures, especially in industries where traceability is vital. When the recession hit, we focused on quality and on providing a consultative approach right from initial contact to ensure we deliver the very best solutions with CADSTAR – this was the key to our success. We’re thrilled to be named European CADSTAR Distributor of the Year 2012-13.” Steve Dobson, Managing Director, Quadra Solutions

“Quadra Solutions have supported CADSTAR for well over a decade, taking us forward as a market leader in Europe. They offer our users excellent customer service, which is one of the reasons why we’re proud to have them as a partner working with our customers throughout the UK, Benelux and Scandinavia”. Jeroen Leinders CADSTAR Worldwide Sales Manager

For more information, see www.zuken.com/cadstar.

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Events News

3D Systems Anchors Chicago’s First Inside 3D Printing Conference

1 July 2013

[3D Systems](#) announced today that it will bring its consumer and professional 3D content-to-print experience to Chicago’s first [Inside 3D Printing Conference and Expo](#) at the McCormick Place Convention Center, Chicago, IL, from July 10-11, 2013, booth 202.

3D Systems will showcase its latest line up of [consumer](#) and [professional 3D printers](#), 3D printed products, and apps delivering an exclusive 3D lifestyle experience. Attendees can browse at the Cube Café, check out the award winning [Cube®](#) and [CubeX™](#) 3D printers, see the newest [full color 3D printing](#) in action and engage with creative, gamified 3D design apps like [Cubify Draw](#) and [Star Trek 3DMe](#). Arts and entertainment brands along with app developers are invited to join the 3D printing revolution and learn how to monetize their intellectual property and creativity on 3D Systems’ hosting, publishing and production platform, [Cubify](#).

Avi Reichental, 3D Systems’ President and CEO, will deliver a keynote address, ‘Manufacturing the

CIMdata PLM Industry Summary

Future', on Thursday July 11, 2013 at 9:00 am. "We are really excited to bring our consumer and professional 3D printing experience to Chicago's *Inside 3D Printing* conference," said Cathy Lewis, Chief Marketing Officer, 3D Systems. "We are totally aligned with Chicagoland's quest to localize manufacturing and empower kids with tomorrow's skills today."

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CGTech EMO Hall 25, Stand J30 Hannover, Germany September 16-21

5 July 2013

VERICUT 7.3 includes many enhancements that significantly improve performance and further simplify the process of simulating a CNC machine. Changes to the user interface further improve VERICUT's workflow, and are a direct result of CGTech's philosophy of continuous product improvement based on customer feedback.

"We have thousands of customers throughout the world and their needs vary greatly," said CGTech Ltd Managing Director, John Reed. "VERICUT has been designed to meet the needs of all types of CNC users – from the small sub-contractors to the OEM and supply chain companies who regularly push the limits of CNC technology. VERICUT is constantly refined to provide the flexibility and tools our customers require."

VERICUT Product/Function Overview:

VERICUT is CNC machine simulation, verification and optimisation software that enables users to eliminate the process of manually proving out NC programs. It reduces scrap loss and rework. The program also optimises NC programs in order to both save time and produce higher quality surface finish. VERICUT simulates all types of CNC machine tools, including those from leading manufacturers such as DMG-Mori Seiki, Mazak, Makino, Matsuura, Hermle, Starrag, Heller and Chiron. VERICUT runs standalone, but can also be integrated with leading CAM systems such as Dassault Systemes CATIA, Siemens NX, MasterCAM, Delcam PowerMill, Vero EdgeCAM, Open Mind hyperMILL, DP Esprit and Missler TopSolidCAM.

User Interface Enhancements

The VERICUT user interface is very customisable. VERICUT 7.3 features all-new icons, available in multiple sizes and with several user-selectable color themes. Every window and icon can be optionally displayed or hidden.

User-configurable "Favourites" further simplify setting up a simulation session. "Favourites" can consist of commonly used folders and files, and each item can be drag/dropped into a project.

To help objects stand out in the machine simulation scene, an "Edge Display" option analyzes models and finds and displays their edges, all without affecting simulation speed.

During simulation, a user can create a list of “Stop At” events. These events, such as “Collisions”, “Warnings”, “Tool changes”, or “End of each setup”, can be managed interactively in the NC program dialog. The user can add, move, remove, or temporarily disable the events that pause the simulation.

Improved Collision Checking Speed

VERICUT 7.3 performance is now 5-10 times faster when the NC program moves the simulated machine into potential collision conditions. A significant development effort produced enhancements to VERICUT’s industry leading collision algorithms, removing the need to adjust complex machine models to improve performance.

Other New Features since Version 7.2

- Drag/drop files from Windows for quick setup.
- Constant gouge check simulation with very large design models is now 2-5 times faster.
- Automatically save a Reviewer file during the simulation session. The VERICUT Reviewer incorporates all the functionality of NC Review mode in a stand-alone viewer that does not require a license.
- Measure tool assembly components in the tool manager.
- CAD/CAM interface improvements have been implemented.
- Over 400 customer-driven enhancements and software change requests have been completed since version 7.2.

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Financial News

Altium Announces Sales and Revenue Update for Year to June 2013

5 July 2013

Electronics design software company Altium Limited has announced an unaudited update on its financial results for the financial year ending 30 June 2013.

Fourth-quarter and second-half summaries

Sales for the three months ending 30 June 2013 grew 20% to US\$24 million, compared to the corresponding period a year ago.

In the second half of the financial year, sales increased by 18% to US\$41 million, compared to the corresponding period a year ago.

CIMdata PLM Industry Summary

Financial year summary

Sales for the financial year ending 30 June 2013 grew 13% to US\$69 million, compared to the corresponding period a year ago.

Underlying Profit based on management accounts for the financial year ending 30 June 2013 grew by approximately 40% from US\$13.6 million to approximately US\$19 million.

The cash balance as at 30 June 2013 was US\$15 million, up 11% from the corresponding period a year ago.

Comments from Richard Leon, CFO

The expected underlying profit reflects an effective implementation of the first year of our Corporate Strategy as outlined to shareholders in our March presentation.

During the year we generated approximately US\$14 million in cash that allowed us to absorb the impact of US\$3.6 million in restructuring and other expenses as reported in our first half results, as well as a return of a total of US\$9 million (8 AU cents per share) in dividends to shareholders during the financial year.

The focus on the execution of our Corporate Strategy resulted in solid double digit sales growth in all regions with the exception of Asia Pacific which achieved 9% growth. Overall, worldwide sales delivered a second successive year of double digit growth. Subscription sales continue to be strong up 26% to US\$32 million when compared with previous corresponding period.

Detailed financial summaries can be found on <http://www.altium.com/en/altium/investor-relations/announcements>.

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Infosys to Announce First Quarter Results on July 12, 2013

5 July 2013

Infosys Limited will announce results for its first quarter ended June 30, 2013 on Friday, July 12, 2013, Indian Standard Time (IST) (on the night of Thursday, July 11, 2013, US Eastern Time (ET)). The results will also be available on the Infosys website <http://www.infosys.com>.

Following the release, Infosys CEO & Managing Director, Mr. S.D. Shibulal, CFO, Mr. Rajiv Bansal, and other members of the senior management will comment on the company's performance.

There will be a common television address by Mr. S.D. Shibulal and Mr. Rajiv Bansal at 10:00 a.m.

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IST on business television channels addressing analyst questions. The common TV address will be streamed Live on YouTube and Infosys Investor Relations website. This will be followed by a detailed discussion on ET Now from Bangalore at 10:15 a.m. IST on July 12, 2013 (this will not be telecast in the US). An archive of this event will be uploaded on <http://www.infosys.com> after 2:00 p.m. IST on July 12, 2013 (after 4:30 a.m. US ET on July 12, 2013).

Earnings call I

(11:30 a.m. - 12:30 p.m. IST; 2:00 a.m. - 3:00 a.m. ET)

The company will conduct an hour-long conference call at 11:30 a.m. IST (2:00 a.m. ET) on July 12, 2013 (**open to investors/analysts in all regions**), where the senior management will discuss the company's performance and answer questions from participants. To participate in the conference call, please dial the numbers provided below 10-15 minutes before the scheduled start time of the call. During this interim, the operator will provide instructions on how to ask questions. As participation in the call is limited, early registration (by calling the numbers 10-15 minutes before the scheduled start time) is encouraged.

This event will be webcast live on the Internet, following which it will be archived at <http://www.infosys.com>. The archive will be available after 2.30 p.m. IST on July 12, 2013 (after 5:00 a.m. US ET on July 12, 2013). In addition, a transcript of the conference call will be available at <http://www.infosys.com>.

Earnings call II

(6:00 p.m. - 7:00 p.m. IST; 8:30 a.m. - 9:30 a.m. ET)

The company will also conduct an hour-long conference call at 8:30 a.m. ET (6:00 p.m. IST) on July 12, 2013 (**open to investors/analysts in all regions**), where the senior management will discuss the company's performance and answer questions from participants. To participate in the conference call, please dial the numbers provided below 10-15 minutes before the scheduled start time of the call. During this interim, the operator will provide instructions on how to ask questions. As participation in the call is limited, early registration (by calling the numbers 10-15 minutes before the scheduled start time) is encouraged.

This event will be webcast live on the Internet and an archive can be accessed at <http://www.infosys.com> after 11:00 a.m. ET on July 12, 2013 (after 8:30 p.m. IST on July 12, 2013). A transcript of the conference call will be available at <http://www.infosys.com>.

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OpenText to Report Fourth Quarter and Fiscal Year 2013 Financial Results on Wednesday, July 31, 2013

5 July 2013

CIMdata PLM Industry Summary

Open Text™ Corporation today announced that financial results for its fourth quarter and fiscal year 2013 will be released on Wednesday, July 31, 2013 at approximately 4:00 p.m. ET.

Teleconference Call

Mark J. Barrenechea, OpenText CEO and Paul McFeeters, OpenText CFO will host a conference call on July 31, 2013 at 5:00 p.m. ET to discuss the company's financial results.

Date: Wednesday, July 31, 2013
Time: 5:00 p.m. ET/2:00 p.m. PT
Length: 60 minutes
Where: 416-644-3415 (international)
877-974-0445 (toll-free)

Investors should dial in approximately 10 minutes before the teleconference is scheduled to begin. A replay of the call will be available beginning July 31, 2013 at 7:00 p.m. ET through 11:59 p.m. on August 7, 2013 and can be accessed by dialing 416-640-1917 (international) or 877-289-8525 (toll-free) and using passcode 4626584 followed by the number sign.

For more information or to listen to the call via web cast, please use the following link: <http://www.opentext.com/2/investors/ir-events.htm>.

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Implementation Investments

Altair's Open-Architecture CAE Suite Improves Development Processes at L&L Products Europe SAS in France

2 July 2013

[Altair Engineering, Inc.](#), announced today that [L&L Products Europe SAS](#), the French-based provider of engineered sealing and structural solutions, has extended its use of Altair's [HyperWorks](#) suite of CAE tools to aeronautical projects. Aeronautics is the latest application field in which L&L uses HyperWorks successfully, along with the company's work in the automotive, commercial and agricultural vehicle industries. The HyperWorks suite is used for projects in all industries the company covers, especially for acoustic analysis and structural-part optimization.

"Within the Altair suite of tools, we employ HyperMesh, HyperCrash, RADIOSS, HyperView, and OptiStruct, using them nearly the same way for our customers in all of the industries we serve," said Frank Braymand, Project and Innovation Manager, L&L Products Europe SAS. "HyperMesh and

CIMdata PLM Industry Summary

HyperView are the standard pre- and post-processing tools for all the solvers we apply, because they are very user-friendly and provide a good interface to many different crash codes. Also, because of its unique licensing system, HyperWorks gives us the flexibility we need in our development process. With this system, we can use the same licensing units during the day for pre- and post-processing tasks and during the nights and weekends to run the solvers. Furthermore, Altair is continuously developing its CAE suite. For example, it now also provides features for the design, simulation and optimization of composite materials, where I see a growing application field in the near future. We are very happy with the Altair tools and the support provided by the Altair team and will continue to use HyperWorks in all upcoming projects we have scheduled."

"We are very pleased to see L&L Products expanding on its successful use of HyperWorks to additional industries," said Mauro Guglielminotti, managing director southern Europe, Altair Engineering. "Beyond the aerospace industry, we now also see a growing demand for the use of composite materials in the automotive industry, and Altair is prepared for this demand. HyperWorks now includes new simulation features and optimization possibilities for composite materials, and we invested heavily in solver as well as pre- and post-processing features needed to design, analyze and optimize composites components. I think that this, in combination with our flexible licensing system, is one of the major reasons why we have such great success, especially in the aerospace and automotive industries."

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aPriori Wins Jungheinrich as New Customer

2 July 2013

[aPriori](#), a provider of enterprise [product cost management software solutions](#), today announced that Jungheinrich, manufacturers of material handling equipment, has selected the aPriori software platform to help optimize its product costing efforts and increase the visibility of product cost information across its multiple product lines and development centers around the world. The company expects to accelerate product cost and delivery cycle time, optimize product manufacturing processes and reduce overall product costs with the software.

Headquartered in Hamburg Germany, [Jungheinrich](#) operates multiple development centers across Germany as well as further ones in China and in the USA. Initially, design engineers in four German plants will use the software to quickly and easily compare the cost of different product design alternatives and assess the cost impact of different manufacturing process options. This will help Jungheinrich's engineers identify product cost savings earlier in the product cycle. aPriori will also provide Jungheinrich's sourcing professionals with a standard tool for detailed 'should cost' information to help evaluate make vs. buy decisions and work more effectively with suppliers.

"We are looking to better understand the cost implications of both the design and manufacturing decisions we make," said David Wills, head of vehicle components purchasing at Jungheinrich.

CIMdata PLM Industry Summary

“aPriori’s software provides our engineering team with a consistent and systematic approach to product cost assessments with real time access to cost data to inform their design decisions. Moreover, it provides a platform for discussion for all partners involved, from procurement and design to suppliers.”

[aPriori’s Product Cost Management software platform](#) helps companies attack cost at the point of origin by equipping design, engineering, sourcing and manufacturing professionals with the knowledge and technology infrastructure to quickly and precisely determine the cost of a part or complete product. The software leverages computer-aided design and intelligent cost models to quickly generate detailed manufacturing analysis and cost estimates and quantify the impact of changes to product design, materials, manufacturing processes, volumes and location. The software also enables users to leverage product cost data hosted in other critical enterprise applications to communicate product cost information between all functional organizations involved in product definition and delivery. This includes the import of complex engineering Bills of Materials (BOMs) from ERP, PLM or other enterprise applications.

“With aPriori, Jungheinrich design engineers have immediate access to detailed product cost information which they can apply in real-time,” said Stephanie Feraday, president and CEO of aPriori. “They will know the cost impact of every product-related decision they make. This will enable greater innovation and profitability while building cost management as a core competency for the company.”

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Crocs Selects Centric Software PLM to Manage Footwear Product Development

2 July 2013

Crocs, Inc. has chosen Centric Software, Inc., for its [product lifecycle management \(PLM\) software](#).

Crocs will implement the full Centric 8 PLM suite to manage its product development process, including concept, design and sourcing. The company will implement the Centric 8 PLM system on a worldwide basis, to hundreds of users including Crocs suppliers and partners. Crocs will integrate Centric 8 with its SAP enterprise software, says Dale Bathum, Crocs’ chief product officer.

“Centric’s unique blend of product, team and execution plan makes it clearly the best choice for Crocs,” says Bathum. “Centric 8 will help Crocs speed development, and gain visibility earlier in the product development cycle to make better decisions.”

Using Centric’s PLM software to help make product “go/no-go” decisions, Crocs can determine whether to go forward with a product while still in the midst of the development cycle. Importantly, says Bathum, the company can continually re-evaluate and validate decisions based on changing cost and product inputs, gaining the ability to make go/no-go decisions as needed throughout the product development process. Results include maximizing impact on strategic business objectives and

CIMdata PLM Industry Summary

minimizing product development costs.

Crocs will implement two of Centric's patent-pending mobile apps in the deployment: Centric 8 Collection Book for Fashion iPad and Capture It for iPhone. The Collection Book for Fashion iPad app will allow Crocs to link its footwear collections in the PLM system to corporate and retail buyers in the showroom through an interactive mobile device. The Capture It for iPhone app will let Crocs users take and upload photos directly to the Centric 8 PLM system quickly, accurately and easily, making them instantly available for review, mark-up and analysis.

"Crocs recognizes the value of Centric's footwear development knowledge, and the value of the out-of-the-box, configurable Centric 8 PLM software that incorporates mobile applications," says Chris Groves, president and CEO of Centric. "Centric 8's advanced capabilities—combined with Centric's Agile Deployment(SM) methodology—will enable Crocs to rapidly implement and advance its footwear product development methodology and improve business processes."

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Delcam Software gives Faster Footwear Development for Macboot

3 July 2013

Moving from traditional manual methods to product development with Delcam's CAD/CAM software has enabled Brazilian footwear manufacturer, Macboot, to develop and evaluate numerous alternative designs for each new product, and still get the new designs to market faster.

Macboot was founded more than twenty years ago by its current president, Mr. Marco Aurélio Silva, in the Franca region of Brazil. From the start, the company has operated the "human-environmental" philosophy of its founder, pioneering the implementation of sustainable measures in the manufacturing process.

In addition, the company has always innovated to improve the performance of its footwear, with shielding to increase the durability of products, novel ventilation technology and advanced waterproofing. These developments have made Macboot a unique company in its sector.

Launching products with innovative designs, at competitive prices and in shorter times, has always been a challenge in the footwear market. Thiago Faleiros, Macboot's Commercial Director, remembered "Initially, the company did not have any software to support the design of our shoes and the whole process was done manually. Consequently, many errors happened due to lack of accuracy, which caused production losses, in both time and money."

Macboot decided to seek a CAD and 3D printing solution to meet its needs. "As well as analysing the technology qualities of the software through real tests on our products, we sought a supplier that could

CIMdata PLM Industry Summary

help us to change the development culture and provide training for our technicians in a very short time,” said Mr. Faleiros. “Another important factor was the accuracy and speed of data exchange with the systems used by our mouldmaking suppliers in the area.”

After evaluating the various solutions available, Macboot opted to acquire both technologies from Seacam, Delcam’s partner in Brazil. First, in 2008, Macboot acquired PowerSHAPE Pro to develop sole designs and ArtCAM to design decorative items. Subsequently, Delcam CRISPIN’s ShoeMaker software was added for upper and sole design, plus Engineer Pro for 2D pattern engineering and grading. Most recently, Macboot acquired a 3D printer to produce durable plastic prototype parts from the designs created in the Delcam software.

“The introduction of this technology has brought many improvements to the company, such as the ability to view the soles and to produce prototypes before we begin tooling manufacture,” claimed Mr. Faleiros. “We can also develop new designs in secret, since the complete process can be done within the company.”

The successful implementation, based on deadlines and requirements determined by Macboot, was made possible by close collaboration between HomeCAM, Seacam’s sub-dealer for Franca and Nova Serrana regions, Seacam and its suppliers Delcam and 3D Systems.

Another important partner was the local technical school, Senai Franca. The instructors, some of whom were trained by Delcam in the UK, played a big part in the training of staff at Macboot. This school offers these technologies as part of its curriculum so it can continuously provide new talent for Macboot already trained in the use of software.

“With these new technologies, and the support of our suppliers and Senai Franca, our development costs and times have been completely transformed: before we talked in days, now we work in hours,” summarised Mr. Faleiros. “The power and flexibility of creating and editing our designs in the Delcam software, coupled with the speed and accuracy of the models generated in the 3D Systems equipment, has revolutionised our business.”

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Grupo Cortefiel Selects Centric Software for Product Lifecycle Management

3 July 2013

Grupo Cortefiel, a leading European retailer, has selected Centric Software, Inc., to provide its [product lifecycle management \(PLM\) solution](#).

The multi-brand, multi-category Madrid-based company made a strategic selection of the comprehensive Centric 8 PLM solution, and will roll it out across all brands and product categories.

CIMdata PLM Industry Summary

Grupo Cortefiel offers the Springfield, Cortefiel, women's secret and Pedro el Hierro brands in product categories including women's wear, men's wear, accessories, lingerie and footwear. Grupo Cortefiel will deploy the Centric PLM suite to users in its costing, design, product development and product management departments.

“The greater functionality and access that Centric 8 affords will support Grupo Cortefiel's multi-brand growth strategy and position as one of the strongest leaders in the European fashion market,” says Enrique Martin Mendez, CIO of the company. Grupo Cortefiel chose Centric as its PLM provider because of Centric's focus on the fashion industry and understanding of the product development needs of fast-growth companies. The retailer appreciated Centric's key customer references, and leading industry technology and team.

Grupo Cortefiel also valued Centric's easily configured “out-of-the-box” solution and [Agile Deployment \(SM\)](#) implementation methodology. By embedding industry business best practices and data models into the core PLM system, Centric provides a highly configurable solution that requires no programming customization. Agile Deployment allows much faster and easier implementations than are possible with other PLM systems.

“Implementing a PLM solution across all brands will enable Grupo Cortefiel to make more informed decisions with improved execution and visibility across all brands and categories,” says Chris Groves, president and CEO of Centric. Centric 8 PLM will provide Grupo Cortefiel's six product teams relief from low-value tasks while reducing the risk of errors, he adds.” This will allow the company to reduce lead times and costs, and improve quality and overall process efficiency.”

“Centric is proud to become the PLM partner for Grupo Cortefiel,” says Groves. “We look forward to working with this leader in the influential European fashion industry as it pursues its multi-brand growth strategy.”

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Kamstrup Chooses Aras with the Minerva EHT solution for Global Product Lifecycle Management

2 July 2013

Aras® today announced that Kamstrup A/S, a global provider of innovative metering solutions for energy and water consumption, headquartered in Skanderborg, Denmark, has selected the Aras PLM software suite. Kamstrup selected Aras for its ability to manage complex, multi-discipline product development process involving mechanical, electrical and software components. Kamstrup will implement Aras with the Electronics and High Tech (EHT) application from Aras Gold Certified Partner Minerva.

“With Aras we get all the benefits of their open business model and a powerful, flexible PLM platform

CIMdata PLM Industry Summary

that can support our complex product development requirements,” said Jesper Lasthein Hansen, IT Manager at Kamstrup. “Together with the EHT application from Minerva, we have a robust solution that will be up and running quickly.”

Represented in 50 countries, Kamstrup is a world-leading manufacturer of system solutions for smart energy and water metering. Kamstrup’s implementation of Aras will include integration to ERP, providing a streamlined process for enterprise change management and quality from engineering to manufacturing and beyond.

“Kamstrup emphasizes environmental safety and strives for zero defects in the manufacturing of its products,” said Leon Lauritsen, Director at Minerva. “Aras and Minerva provide advanced technology and complete PLM functionality with best practices in the secure, geographically accessible environment global companies like Kamstrup require to create today’s highly technical products.”

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Rapha Races into Cloud PLM, Provided by WFX

3 July 2013

Rapha, the British luxury road-cycling lifestyle brand, have enhanced their product capabilities following the implementation of a Cloud based PLM platform. The system, provided by Cloud fashion PLM specialists via WFXondemand.com, has taken away the issues the company was experiencing during the rapid expansion of the number of products and suppliers that were part of its development processes.

Rapha has seen tremendous growth over the past nine years, and was recently appointed as the official clothing supplier of the world renowned Sky Pro Cycling team. This appointment in itself more than doubled the number of products the brand is offering.

The system was implemented by WFX during an eight week period of configuration and training, with project support provided by a specialist fashion PLM team from 1970i (UK based Conceptable's technology division).

Being a modern Cloud based PLM system, WFX creates mobility by making your entire product process accessible from anywhere with internet access whilst being supported with a 24/7 help desk, free quarterly automatic upgrades and secure backed up hosting.

Simon Huntsman, Head of Product at Rapha, was full of praise about both the system and the implementation. He said: "Progressing to a PLM system was a logical step for Rapha, given the growth in the product range and the complexities of managing it effectively. After some thorough market research, we concluded WFX to be the best choice for Rapha”.

CIMdata PLM Industry Summary

Mr. Huntsman continued to say: “It provides an effective, flexible and scalable solution, with all the required functionality we need at a cost effective price. Because WFX is a Cloud based platform and has a clear & simple user interface, the implementation was fast and my team were up and running on the system ahead of schedule. Conceptable’s team and the WFX training staff have held our hand all the way through the process, which really helped us to get off to a flying start”

More fashion and sports companies are exploring the significant benefits of a comprehensive PLM system than ever before. WFX, considered a leading provider of Cloud based fashion PLM, have already announced recent adoption of its platform by brands such as London based Darling Clothes, large retail brands such as Forever New and intricate sourcing houses such as Asmara. The company hints further announcements are coming.

The adoption of the WFX Cloud Fashion PLM platform by Rapha is an exciting step forward for both companies. Jatin Paul from WFX is keen to increase the focus of its partnership with UK based 1970i in combination with its affordable cost structure to service more SME fashion and sports brands in this key market.

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Product News

CADLearning Announces AutoCAD 2014 Course for Individuals, Students, Faculty

2 July 2013

4D Technologies, Autodesk Authorized Publisher and maker of the CADLearning products for Autodesk software, announced today a new CADLearning course for AutoCAD® 2014.

[CADLearning for AutoCAD 2014](#) offers over 48 hours of training and 750 searchable video tutorials. Taught by David Cohn, the course delivers training and tutorials for the latest 2D and 3D designs features of AutoCAD. Topics include basics such as menus, controls and settings; customizing tool palettes, ribbon tabs, and custom workspaces; and how to create and modify 2D and 3D objects.

“CADLearning for AutoCAD uses video tutorials and exercise files to teach beginner, intermediate and advanced users the essential functions of the software.” said Cohn. “Being able to search the lessons and take the assessments make this an ideal self-paced learning tool for learners at all levels.” David is a licensed architect and practiced for 10 years before leaving his firm to focus on CAD consulting, training, writing, and development. He has been using AutoCAD for more than 25 years and has also taught the program both professionally and to students at the college level during much of that time. He is both a Revit Architecture and AutoCAD certified professional and written numerous books and magazine articles about both programs.

CIMdata PLM Industry Summary

CADLearning lessons are developed and instructed by industry respected subject matter experts to deliver the most comprehensive, consistently high-quality Autodesk software courses available. Subscribe online for [instant access to CADLearning courses](#) with uniquely searchable video tutorials, complete exercise files, and learning assessments to track progress.

Visit <http://www.cadlearning.com/autocad-tutorials> to watch sample video tutorials, view course details, and to learn more about subscription options for individuals, Education, Enterprise and Government.

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Datakit Offers New & Updated SolidWorks Converters

2 July 2013

datakit announced new and updated plug-ins for comprehensive data conversion to SolidWorks.

JT 3D to SolidWorks

- Enables accurate and convenient CAD data transfer from JT to SolidWorks with meta-data support that does not require a JT license.
- Batch mode process available.

Version : (Jt : 6.4 to 9.5) to (SolidWorks : 2011 to 2014 beta)

CATIA V5 2D to SolidWorks 2D

- Enables accurate and convenient CAD data transfer from CATIA V5 2D to Solidworks for all 2D data that does not require a license of CATIA V5.
- Converts CATDrawing files.
- Batch mode process available.

Version : (CatiaV5_2d : R10 to R22 (V5-6R2012)) to (SolidWorks : 2011 to 2014 beta)

CATIA V6 3D to SolidWorks

- Enables accurate and convenient CAD data transfer from CATIA V6 3D data to SolidWorks including CATIA V6 Exact Solids and meta-data that does not require a license of CATIA V6.
- Converts Parts and Assemblies via .3dxml files.
- Data can be filtered based on Entity Type and Visibility.
- Batch mode process available.

Version : (CatiaV6 : R2010x to R2013) (SolidWorks : 2011 to 2014 beta)

CATIA V5 3D to SolidWorks

- Enables accurate and convenient CAD data transfer from CATIA V5 3D data to SolidWorks including CATIA V5 Exact Solids and meta-data that does not require a license of CATIA V5.
- Converts Part and Assembly files from CATPart and .CATProduct files
- Data can be filtered based on Entity Type and Visibility.
- Batch mode process available.
- Certified "gold product" by SolidWorks.

Version : (CatiaV5_3d : R10 to R22 (V5-6R2012)) to (SolidWorks : 2011 to 2014 beta)

Inventor 3D to SolidWorks

- Enables accurate and convenient CAD data transfer from Inventor 3D data to SolidWorks including meta-data that does not require a license of Inventor.
- Converts Part and Assembly files from .ipt and .iam files.
- Data can be filtered based on Entity Type and Visibility.
- Batch mode process available.

Version : (INVENTOR 3D : 9 to 2014) to (SolidWorks : 2011 to 2014 beta)

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Delcam Launches Website for Robot Machining

4 July 2013

Delcam has launched a dedicated website – www.delcam-robotics.com – to promote its developments in the use of robots for machining. The site includes full details on the PowerMILL Robot Interface, plus examples of applications where robots are being used successfully, including sculpting stone and wood, machining of foam and resin models, and trimming, deburring, finishing and grinding of a range of materials.

The PowerMILL Robot Interface makes it as easy to program a robot for machining as it is to program a five-axis machine tool. With the Robot Interface being a fully-associated application inside PowerMILL, users have access to all the multi-axis machining strategies within PowerMILL and can use all the system's project management options to manage, store and retrieve data.

With the PowerMILL Robot Interface, robots can be programmed for tool-to-part applications, making them ideal for machining large parts, such as composite panels that need to be trimmed, or for part-to-tool applications, such as grinding or finishing. The working area can be extended with linear tracks and rotary tables for even greater flexibility over the size and types of parts that can be manufactured.

CIMdata PLM Industry Summary

The PowerMILL Robot Interface can then be used to simulate the complete machining operation and to control the robot's movements through different variables, such as axis limits, axis priorities and workplane constraints. Various aspects within the configuration of the robot cell, such as axis limits, tool constraints and home position, can be defined, and the simulation of the robot completed within those constraints.

The robot's working envelope can be displayed to optimise the position of the part or initial stock, and so give maximum access to the material. The maximum range of movements required of each axis can be viewed to analyse the robot's behaviour and movements throughout the operation.

Any issues that may prevent the toolpaths from being completed successfully are highlighted, with notifications of the robot potentially reaching axis limits, singularities and collisions. Graphs display the axis limits, wrist singularity and axis reversals, to give a better understanding of how the robot will move. Similarly, the acceleration and deceleration of the robot's axes are shown on time-based graphs.

Once the results of the simulation have been reviewed, and modified if necessary, the program can be output in the appropriate robot native language, for example for KUKA, ABB, Fanuc, Yaskawa Motoman or Stäubli equipment, eliminating any need for third-party translation software. Acceleration, smoothing values and other robot-specific parameters can be defined as part of the output. Full support for external axes, such as rotary tables and linear tracks, can be included, as well as dedicated tools for spindle calibration.

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Javelin Update: Figuring It Out, $e = mc^2$

5 July 2013

The latest release of Javelin production control software gives manufacturers the ability to efficiently generate Works Orders for potentially thousands of similar parts without having to generate individual Part, Bill of Materials and Routing records.

This major update in Javelin 2013 r2 revolves around Configured Parts, and was customer driven. When entering Sales Orders, users can now define and store parameters and options for their parts – Bill of Materials and routing values can be defined by various formulae.

General Manager Paul Holmes says these calculations can be used when raising Works Orders for all configured parts. “Standard costing has always been in the Javelin system as the basis of Estimating and Costing. But now Quotes can accept parameters, generating the actual cost of the configured part. This customer driven improvement enhances the control of manufacturing and materials without having to generate individual part record data.”

CIMdata PLM Industry Summary

Another new item of functionality included at the specific request of customers is a security feature. Main maintenance programs for aspects such as costs, parts, suppliers, Sales Orders and Works Orders can now be configured by the customer, restricting access to certain users.

Other updates include:

- **Tool Purchasing:** The system now allows for the purchasing of tools and the Tooling interface has been improved.
- **Crystal Documents:** Pick List Print now has an option to print a user defined Crystal Document. “We’ve also added a new program, Remap Crystal Reports, to the desktop menu. This allows users to change all Crystal Reports in a specific folder and point them at the current database, making it easier to move reports from one database to another.”
- **Shop Floor Data Capture:** A Works Order number search has been introduced to the Start Job screen for more accurate searching from the shop floor and Dynamic Nesting now has a barcode scan option.
- **Data Views:** These SQL structures assist data mining and production of reports. ‘Core Stock’ is a combination of Non Traceable and Serial Traceable details. ‘Part Issue Stock Summary’ shows the total amount of stock, including Quarantine, Consignment and Available. “Also, any outstanding Works Orders and Sales Orders can be seen from these additional data views,” says Paul Holmes. “It’s one thing collecting information, but quite another to put it in a format that’s going to be useful and can be acted upon. Data View does this.”
- **Planning Board Report:** Data from the Planning Board can be printed in a Gantt style format.

Still to come from Javelin: a new Magic platform will be incorporated into 2014 r2 in a year’s time, enabling Javelin to develop more internet-based applications and mobile apps. “Many of our customers sell their products via the internet, and once we have the new Magic platform, Javelin will be able to work with a customer’s website and process their orders,” says Paul Holmes.

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LEDAS Labs Starts with Cloud-Based Geometry Comparator

3 July 2013

LEDAS Ltd., a provider of software development services for the CAD/CAM/CAE/PDM/PLM market, today announced that it has launched LEDAS Labs, a new division aimed at research in innovations for engineering software. While most of LEDAS’s business continues to be in the area of [R&D services](#), the newly opened Labs makes it possible for the LEDAS team to properly showcase its creative new products to vendors and end users.

“LEDAS turned its focus to software development services, following the [sale](#) to Bricys of its IP rights on Leda Geometric Solver, Variational Direct Modeling, and other original constraint-based products and technologies,” said Alexey Ershov, CEO of LEDAS. “But we are sure that this is not the only value

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we can deliver to the engineering software industry. During our participation in the [Russian Geometric Kernel](#) project, we examined the area of geometric modeling intensively, and so found some challenges that still are not properly addressed.”

As a result, LEDAS is taking advantage of modern IT opportunities, such as the Web and cloud, multi-core CPU and GPU architectures, and other exciting developments. The company is open to bringing projects from LEDAS Labs to market on the basis of joint ventures with proper partners. For more information about LEDAS Labs and the projects being developed, please address LEDAS using contact information below.

“Many new product ideas were generated last year by the LEDAS team,” said Ivan Rykov, CTO of LEDAS. “They were examined by the LEDAS group of [advisors](#) and other world-renown experts in CAD. From these, several projects were chosen, dynamically developed, and are now collected under the roof of LEDAS Labs.

“In the meantime,” he added, “we continue to work on long-term contracts with leading CAD/CAM vendors, such as ASCON, JETCAM, OR Laser, and Top Systems.”

Geometry Comparison

One of the new projects is dedicated to geometry comparison. This technology make it possible to detect and display all changes made to geometry during its lifecycle. Due to global outsourcing of engineering and manufacturing, a single model needs to be tracked accurately. Geometry Comparison is a reliable way to effortlessly control the modifications made.

The way in which LEDAS approached solving the problem of comparing 3D models contains an important competitive advantage: its geometric comparisons do not rely on Boolean operations, which are not robust. LEDAS instead developed its own algorithm, which is more resilient and is efficient on parallel architecture.

LEDAS will deliver this new technology as a Web-powered solution, as well as making it available for licensing to CAD and PDM vendors.

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New CAD/CAM CNC Simulation Software Gives Machine Shops Greater Advantage

2 July 2013

Computer Aided Design & Manufacturing software company BobCAD-CAM, Inc has just released their new [Machine Simulation PRO](#) add-on module. The new Machine Simulation PRO offers state of the art toolpath simulation technology for BobCAD-CAM cnc programming software. Until now, the Machine Simulation was only available for core [BobCAD 4 Axis](#) PRO, 5 Axis Standard and 5 Axis PRO

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modules. The change allows customers using the V25 Express through 4 Axis Standard milling cnc software products the ability to add-on the Machine Simulation PRO at one low price and take full advantage of all the benefits of advanced simulation technology. The Machine Simulation PRO allows the CAD/CAM operator to input their own machines kinematics for simulating their specific milling machines in action.

By using the new Machine Simulation PRO the operator not only catches part gouges or tool collisions in the work piece, they can see the machine components in action and any occurrences of axis over-travels and more. Benefits include the ability to see if the part fixtures have correct orientations, isolate location issues and even make sure fixture sizes are correct for the part. For 4th axis programmers can see rotary rewinds, perform machined part deviation analysis and even gather the minimum and maximum cutting length data which is helpful for shops in the estimating process. The Machine Simulation PRO is a huge step in gaining professional cnc programming resources while reducing cnc programming errors and waste.

The [Machine Simulation PRO](#) product gives CNC businesses an edge in staying profitable and productive by displaying the full machine during simulation to better visualize parts being cut. The release allows the machinist or programmer to set machine travel limits and detect over travels. as well as check for any errors on the part. This includes machine, tool and tool holder collisions. This is important for 4 axis users because of the increased possibility that while the tool and holder are not gouging anything, the machine parts may be contacting other parts of the machine. Also important for 4 axis machine programming that directly affects verification and posting confidence is the fact that as the location the part is mounted to the rotary can greatly affect the position movements needed in post processing. Users can very easily relocate their parts on their machine to make sure their machining strategy is optimally defined and a lot more.

The machines in the new product can be turned on and off or made transparent in the simulation process for close part inspection. As an added benefit, the Machine Simulation PRO add-on module has been made very affordable in comparison to other industry products and is now available for any level of BobCAD-CAM milling software as well as their Gold Partner BobCAM for SolidWorks Milling software.

For more information on the NEW Machine Simulation PRO and BobCAD-CAM's line of complete CAD/CAM software solutions you can contact them directly at 877-262-2231 or 727-442-3554. You can also [Download a Free CAD/CAM Demo](#) of at <http://www.bobcad.com>. BobCAD-CAM also offers [Free Whitepapers](#) on Machine Simulation for education directly from the product webpage on their site.

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Support for 2014 Versions of AutoCAD Civil 3D and Autodesk Revit Solutions Now Available

2 July 2013

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Eagle Point Software Corporation, an Autodesk AEC Industry Partner, announced the addition of Autodesk 2014 resources to Pinnacle Series, which enables AEC organizations to immediately take advantage of the new features found in the latest Autodesk software and increase overall productivity. Pinnacle Series Workflows, Cheat Sheets, Videos and Live Training Classes are updated to include support for the following Autodesk products:

- AutoCAD 2014
- AutoCAD Civil 3D 2014
- AutoCAD Map 3D 2014
- Autodesk Storm & Sanitary Analysis 2014
- Autodesk Revit Architecture 2014
- Autodesk Revit MEP 2014
- Autodesk Revit Structure 2014
- Autodesk Navisworks 2014
- Autodesk 3ds Max Design 2014
- Autodesk Design Review 2014

In addition to these updates, over 30 How-to videos have been added along with new workflows designed to help take advantage of new Infrastructure Design Suite features including the Bridge and Geotechnical modules.

Building design professionals also gain access to new Revit content including an additional 60 Cheat Sheets, 40+ How-to Videos and Workflows covering topics such as Family Creation, Exploded Views, Schedules and other Systems and Structural Modeling tools.

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